

In the specification:

[0016] The tuner module may also include an FM radio tuner 17 ~~tuner 19~~ and an AM radio tuner 19 ~~tuner~~ coupled to the same or different antennas. The radio tuners generate an analog audio output that may also be converted in separate analog to digital conversion codecs 31-1, 31-2 to digital I<sup>2</sup>S audio signals. If the signals contain RDS (Radio Data System), PTY (Program Type) data, or other embedded or sideband data, this data can be extracted and rendered as video or in some other way to the larger system.

[0017] The tuner module may also contain a SAT (Satellite) tuner 21, such as a DBS (Direct Broadcast Satellite) tuner ~~DBS tuner 21~~ or any other type of satellite tuner coupled to a satellite antenna. The DBS tuner produces a digital MPEG-2 output that may be transmitted directly to the larger system. Analog satellite systems may be accommodated in the same way as the analog terrestrial broadcast tuners described above.

[0018] A composite video tuner 22 ~~tuner~~ is also shown. Such a device can allow the system to receive video and audio signals from a video recorder, camera, external tuner, or any other device. This signal may then be processed through a decoder 27-3 and codec 29-3, in the same way as the other analog signals. Such a tuner 22 ~~tuner~~ allows the signals from other external devices to be processed by the larger system in the same way as all the other signals. For example, with a television monitor, the composite video tuner can allow the monitor to easily be switched from a digital cable broadcast to a home movie being played on a connected video camera. Picture-in-Picture and many other features may also be supported. A great variety of different connectors may be used for

this tuner from coaxial cables to RCA component video, S-Video, DIN connectors, DVI (digital video interface), HDMI (High Definition Multimedia Interface), VGA (Video Graphics Adapter), and more.

[0036] The ICH 65 offers connectivity to a wide range of different devices. Well-established conventions and protocols may be used for these connections. The connections may include a LAN (Local Area Network) port 69, a USB hub 71, and a local BIOS (Basic Input/Output System) flash memory 73. An I/O (Input/Output) port 75, such as a SIO (Super Input/Output) port 75 can provide connectivity for a front panel 77 with buttons and a display, a keyboard 79, a mouse 81, and infrared devices 85, such as IR blasters or remote control sensors. The I/O port 75 port can also support floppy disk (FD), parallel port (PP), and serial port (SP) connections 83 connections. Alternatively, any one or more of these devices may be supported from a USB, PCI or any other type of bus.

[0045] The media center also provides connectivity to external devices through, for example a telephone port 141 and a network port 143. The user interface is provided through, for example, a keyboard shown in this example as a wireless keyboard 145, or a remote control 147 and the media center may communicate with other devices through its own infrared port 149. A removable storage device 153 may allow for MP3 compressed audio to be stored and played later on a portable device or for camera images to be displayed on the monitor 129.